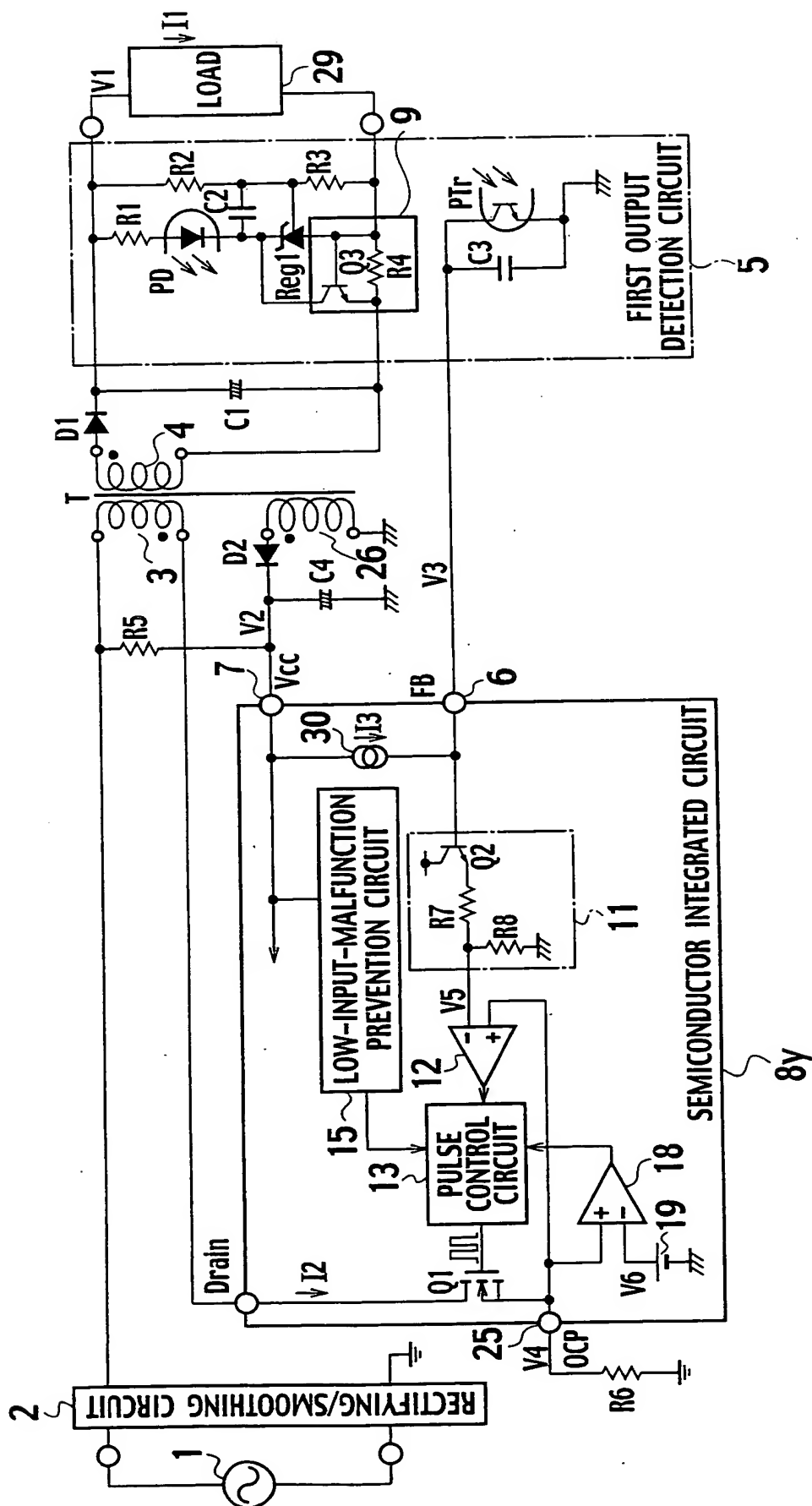


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FIG. 1



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FIG. 2

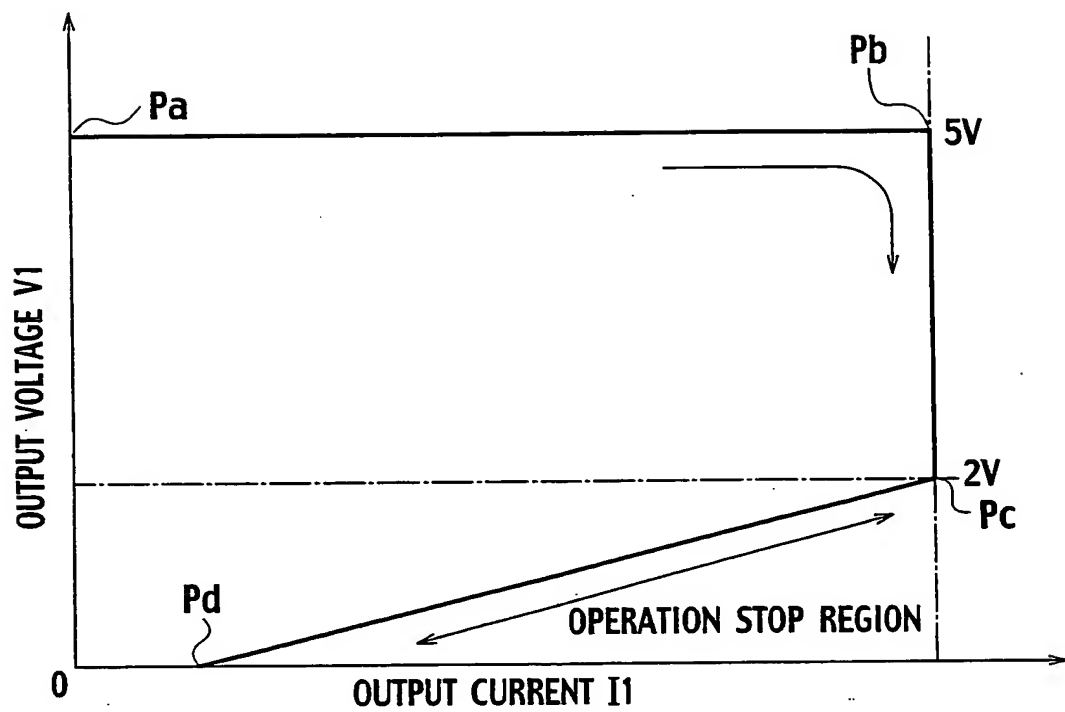
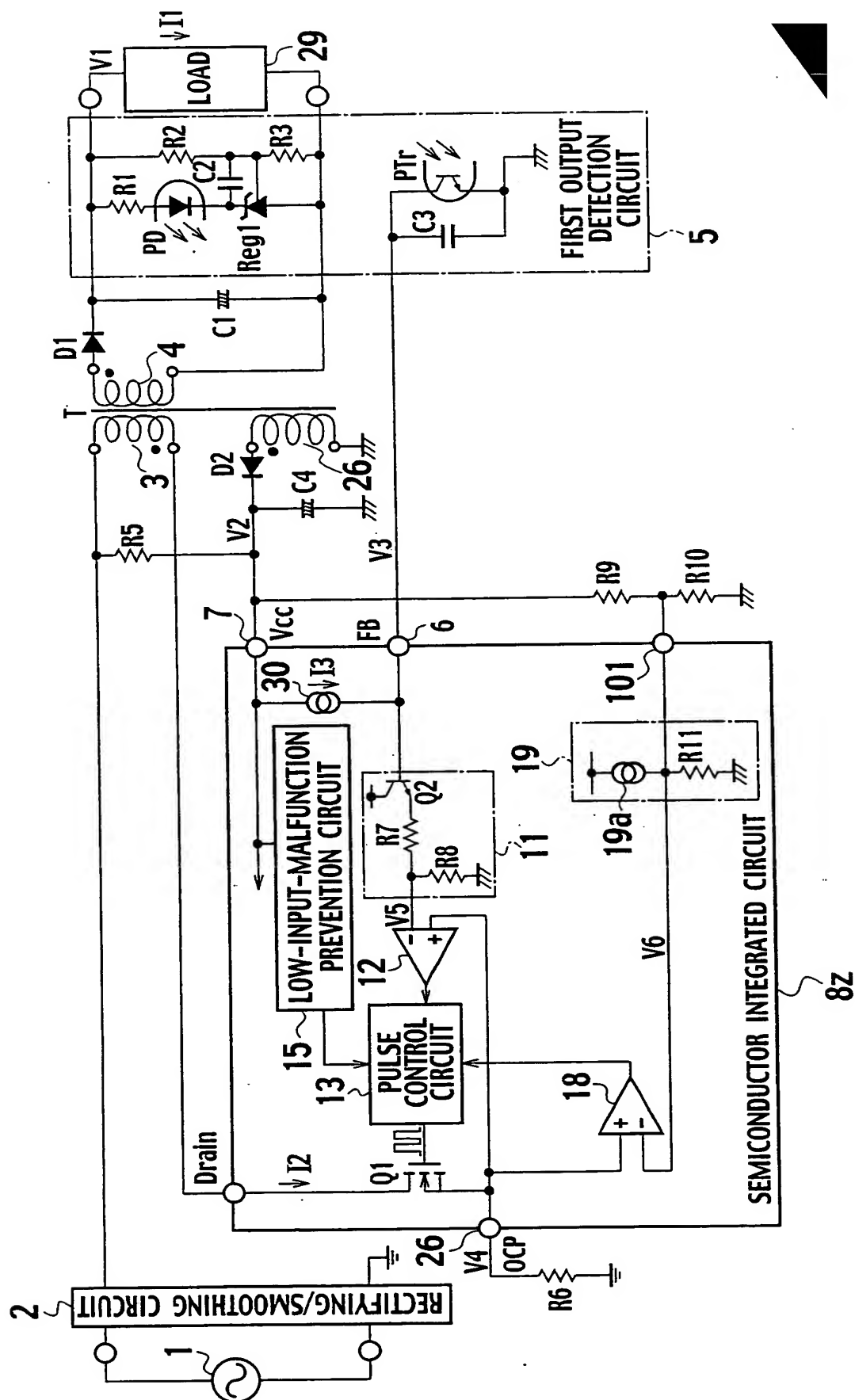
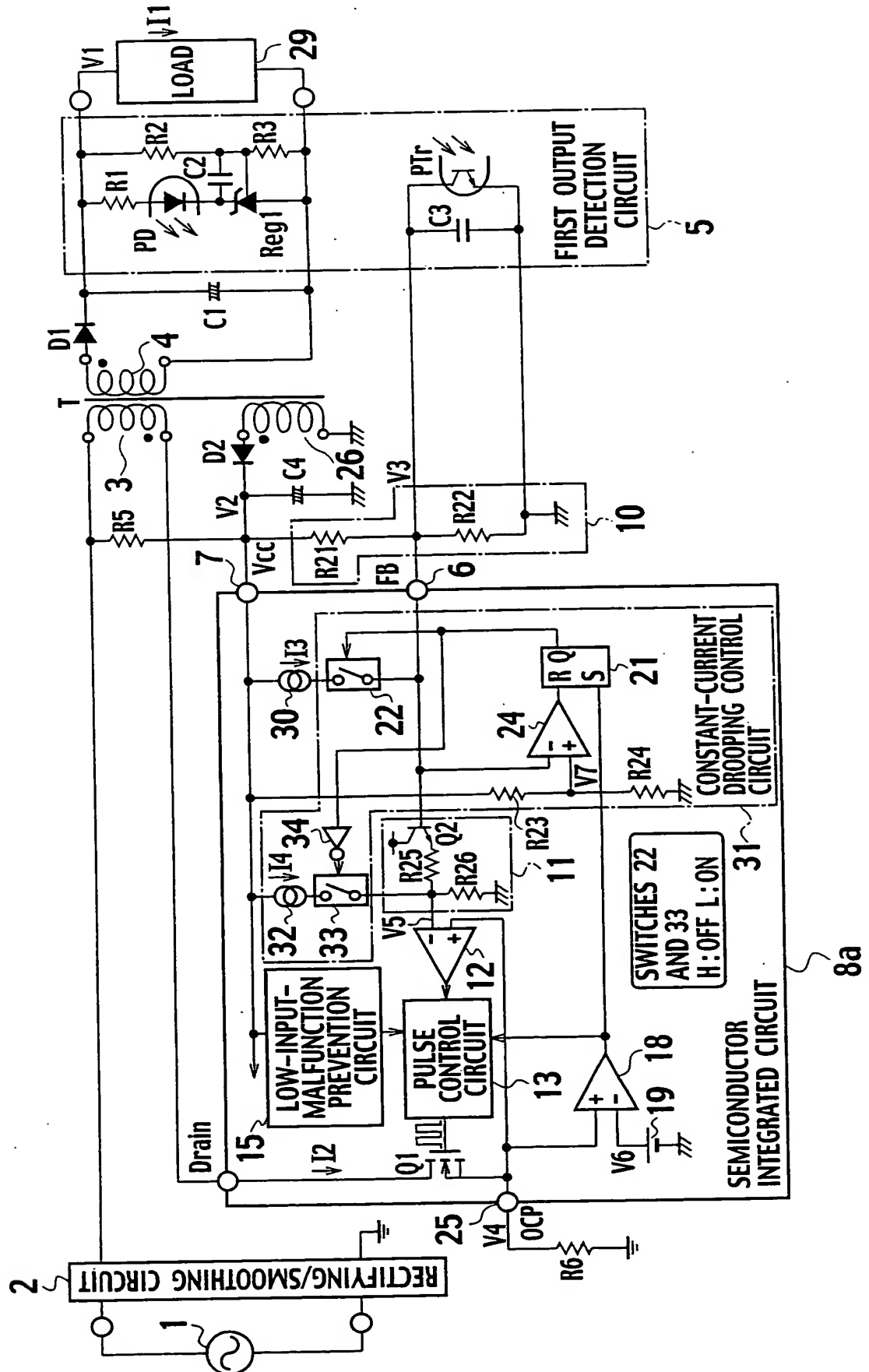


FIG. 3



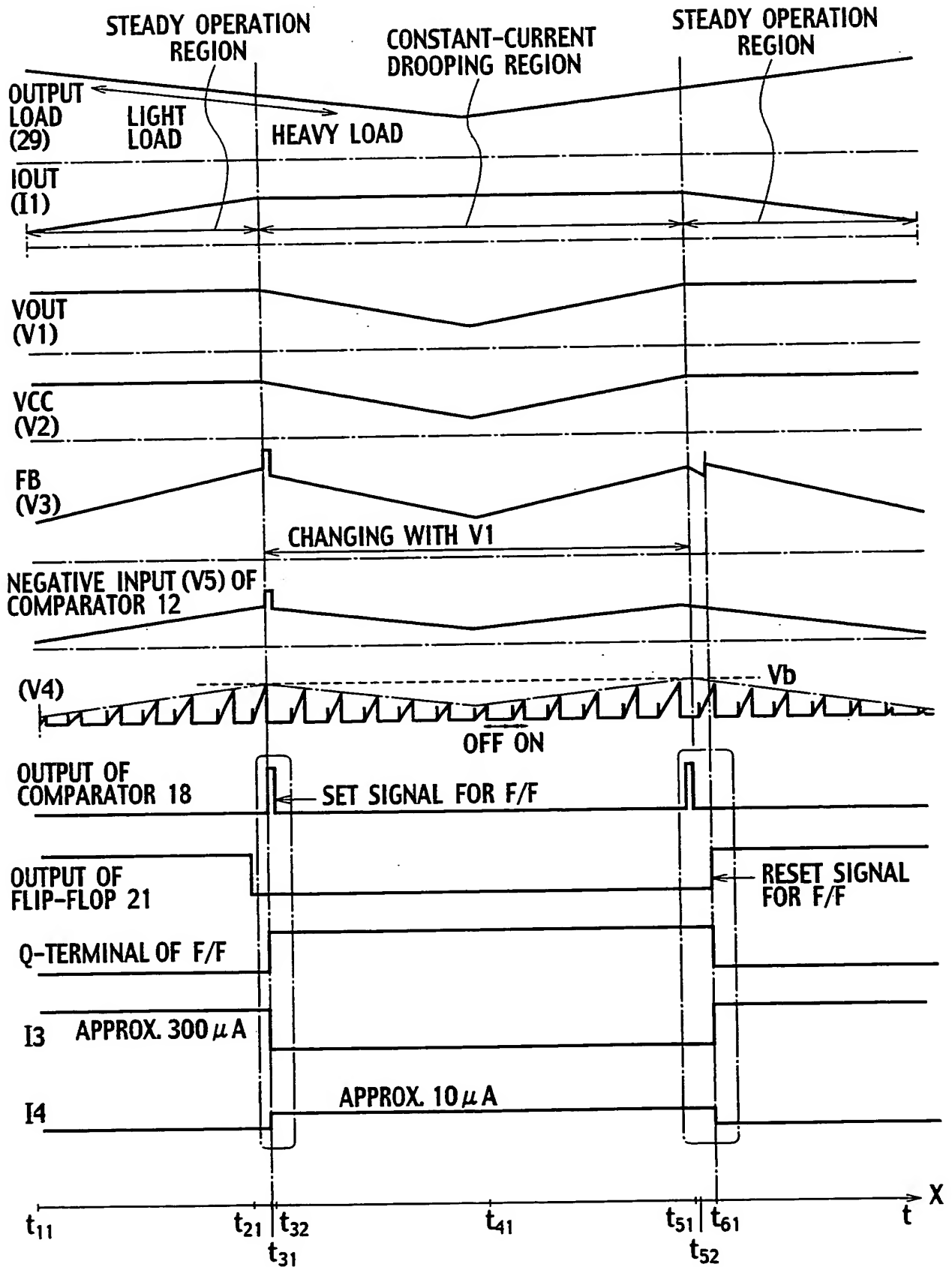
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FIG. 4



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FIG. 5



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FIG. 6

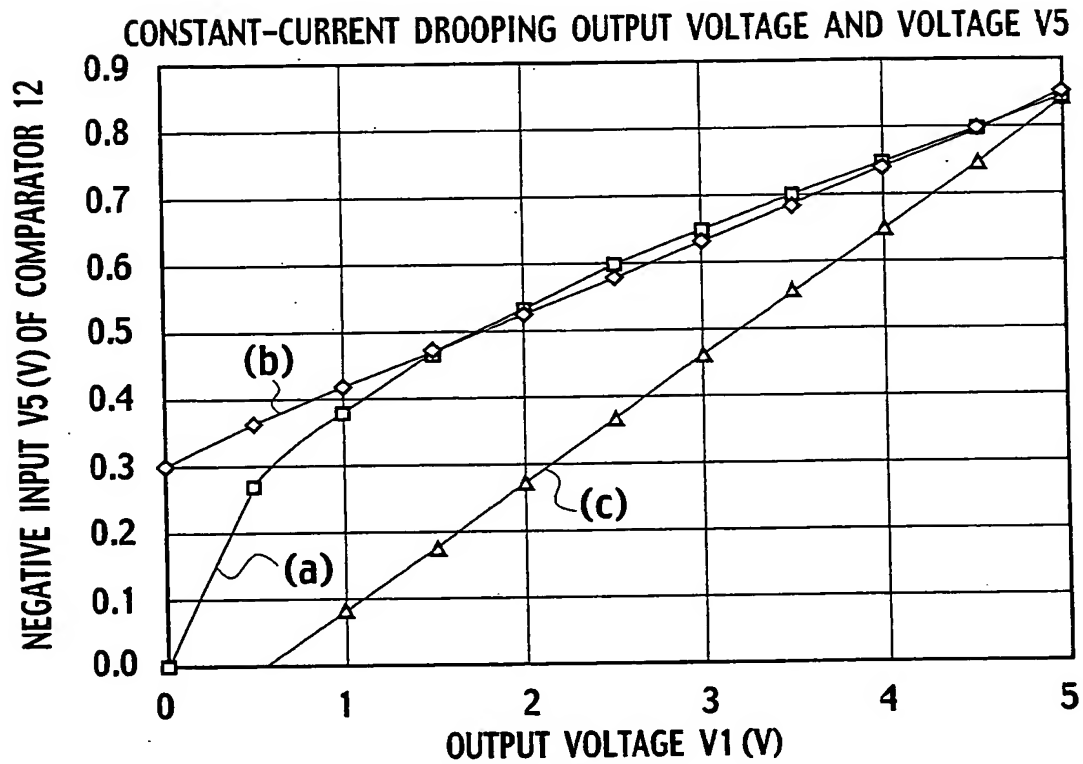
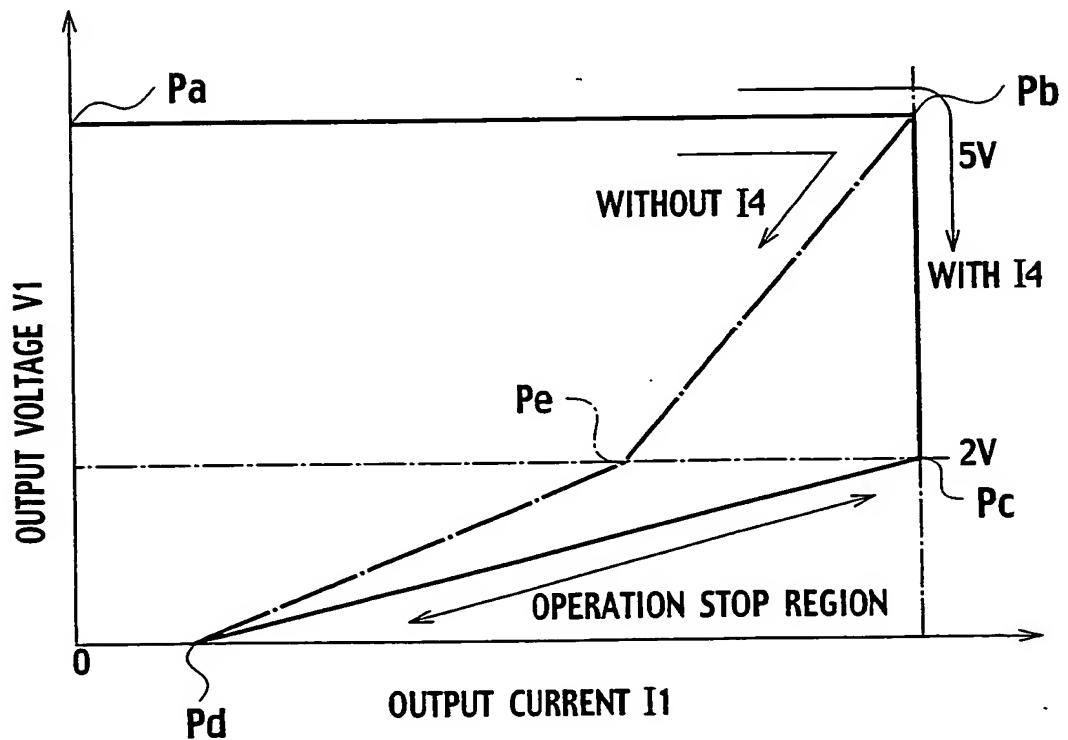


FIG. 7



The schematic diagram illustrates a semiconductor integrated circuit 8b, which is a power MOSFET driver. The circuit includes several key internal blocks and external components:

- Rectifying/Smoothing Circuit 2:** Connected to an AC source 1, it provides a DC supply to the circuit.
- Low-Input-Malfunction Prevention Circuit 12:** Features a MOSFET Q1 and a diode D1 to protect the gate of the main MOSFET.
- Pulse Control Circuit 13:** Controls the switching of the main MOSFET Q2 based on an input signal.
- First Output Detection Circuit 5:** Monitors the output voltage across the load using a photodiode PD and a phototransistor PT.
- Other Internal Components:** The circuit includes various transistors (Q1, Q2, Q3), diodes (D1, D2, D3), resistors (R1 through R26), capacitors (C1, C2, C3, C4), and a current source I5.
- External Components:** A transformer T provides a secondary supply Vcc. A load is connected to the output of the MOSFET Q2.

The diagram is labeled with various reference numerals (1 through 37b) and includes a legend for switches 22 and 33, indicating their states: H: OFF, L: ON.

[illegible]

FIG. 10

